

Appl. No. 09/696,358
Amdt. Dated July 23, 2003
Reply to Office action of April 24, 2003

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended) A keybutton illuminating device for a
2 keybutton structure comprising:

3 a casing;

4 a shielding case that is provided with metal surface treatment;

5 a keybutton; and

6 a printed circuit board that is mounted with a light emitting
7 element,

8 wherein said light emitting element is surrounded entirely by a
9 rib provided with metal surface treatment, the rib being that is
10 disposed upright on said shielding case.

1 Claim 2 (original): A keybutton illuminating device for a keybutton
2 structure comprising:

3 a casing;

4 a shielding case that is provided with metal surface treatment;

5 a keybutton and a printed circuit board that is mounted with a
6 light emitting element,

7 wherein said light emitting element is surrounded entirely by a
8 rib that is provided upright on said shielding case in such manner that
9 a surface that contacts said printed circuit board contacts in a full
10 and tight adherence.

1 Claim 3 (original): A keybutton illuminating device claimed in Claim

2 1 or Claim 2, wherein said rib that is provided upright on said shield
3 is so constructed as to surround said light emitting element in an
4 approximately oval shape.

1 Claim 4 (original): A keybutton illuminating device comprising:
2 a print circuit board;
3 a light emitting element mounted on said print circuit board;
4 a keybutton for switch actions of contact patterns that are
5 print-wired on both sides of said light emitting element is operated
6 by pressing of a contact member that is disposed on this keybutton; and
7 a shielding case for holding of a skirt part of said keybutton
8 is disposed upright on said printed circuit board in such manner as to
9 surround said light emitting element and said contact patterns and by
10 that wall of said shielding case reflects light beams that are emitted
11 from said light emitting element.

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1 Claim 5 (original): A keybutton illuminating device claimed in Claim
2 4, wherein a wall that reflects light beams from a light emitting
3 element of said shielding case is plated for a mirror finish.

1 Claim 6 (currently amended): A wireless communication terminal
2 apparatus that is equipped with a keybutton illuminating device
3 comprising:
4 a casing;
5 a shielding case that is provided with metal surface treatment;

6 a keybutton; and
7 a printed circuit board that is mounted with a light emitting
8 element,

9 wherein said light emitting element is surrounded entirely by a
10 rib portion of the shield case that is provided with the metal surface
11 treatment, the rib being that is disposed upright on said shielding
12 case.

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1 Claim 7 (original): A wireless communication terminal apparatus claimed
2 in Claim 6, wherein said keybutton is operated when there is a need for
3 a voice memo operation for recording of the contents of present vocal
4 communication, wherein said light emitting element comes to illuminate
5 or blink on start of the voice memo operation.

1 Claim 8 (original): A wireless communication terminal apparatus claimed
2 in Claim 6, wherein said keybutton remains illuminating or blinking
3 during communication.

1 Claim 9 (original): A wireless communication terminal apparatus claimed
2 in Claim 6, wherein said keybutton remains illuminating or blinking
3 during communication but, on start of voice memo operation for
4 recording of contents of present vocal communication by depression
5 thereof, start illuminating or blinking in a manner different from said
6 illuminating or blinking manner during the communication.

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1 Claim 10 (new): A keybutton illuminating device for a keybutton
2 structure comprising:

3 a casing;

4 a shielding case that is provided with metal surface treatment;

5 a keybutton; and

6 a printed circuit board that is mounted with a light emitting
7 element,

8 wherein said light emitting element is surrounded entirely by a
9 rib that is disposed upright on said shielding case, and

10 wherein the metal treatment is provided on the light emitting
11 element side of the shielding case.